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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY OR DOCUMENT NUMBER 103563827 U.S. APPLICATION NO. (if known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/FR04/001439	INTERNATIONAL FILING DATE 9 June 2004	PRIORITY DATE CLAIMED 29 July 2003
TITLE OF INVENTION DEVICE FOR MIXING TWO FLUIDS AND USE THEREOF FOR COOLING A VERY HIGH TEMPERATURE FLUID		
APPLICANT(S) FOR DO/EO/US Michel Lepine et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

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U. S. APPLICATION NO. (if known) 101565827		INTERNATIONAL APPLICATION NO. PCT/FR04/001439		ATTORNEY'S DOCKET NUMBER 20513-00615-US1	
20. <input checked="" type="checkbox"/> Other items or information: Forms PCT/IB/304 and PCT/ISA/220; Return Receipt Postcard					
The following fees have been submitted				CALCULATIONS	PTO USEONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500				\$ 500.00	
TOTAL OF 21, 22 and 23 =				\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
27 - 100 =	/50 =		x \$250.00	\$	
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	6 - 20 =		x	0.00	
Independent claims	1 - 3 =		x	0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+	
TOTAL OF ABOVE CALCULATIONS =				\$ 1,000.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/4.					
				SUBTOTAL =	\$ 1,000.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).				\$	
TOTAL NATIONAL FEE =				\$ 1,000.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
				\$	
TOTAL FEES ENCLOSED =				\$ 1,000.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/565827

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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a. A check in the amount of \$ _____ to cover the above fees is enclosed.

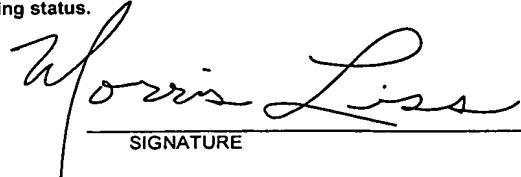
b. Please charge my Deposit Account No. 22-0185 in the amount of \$ 1,000.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 22-0185. A duplicate copy of this sheet is enclosed.

d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information** should not be included on this form. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:



SIGNATURE

Morris Liss

NAME

CUSTOMER NUMBER: 30678

24,510

REGISTRATION NUMBER

10/565827
IAP5 Rec'd PCT/PTO 25 JAN 2006

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
Fee Transmittal For FY 2005		Application Number	Not Yet Assigned
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	Concurrently Herewith
TOTAL AMOUNT OF PAYMENT		First Named Inventor	Michel Lepine
(\$)		Examiner Name	Not Yet Assigned
1,000.00		Art Unit	N/A
		Attorney Docket No.	20513-00615-US1

METHOD OF PAYMENT (check all that apply)					
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> None	<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 22-0185 Deposit Account Name: Connolly Bove Lodge & Hutz LLP					
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)					
<input checked="" type="checkbox"/> Charge fee(s) indicated below			<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee		
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17			<input checked="" type="checkbox"/> Credit any overpayments		

FEE CALCULATION											
1. BASIC FILING, SEARCH, AND EXAMINATION FEES											
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES						
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity					
Utility	300	150	500	250	200	100					
Design	200	100	100	50	130	65					
Plant	200	100	300	150	160	80					
Reissue	300	150	500	250	600	300					
Provisional	200	100	0	0	0	0					
						Small Entity					
						Fee (\$)	Fee (\$)				
						50	25				
						200	100				
						360	180				
						Multiple Dependent Claims					
						Fee (\$)	Fee Paid (\$)				
						_____	_____				
						Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
						1	- 3 =	x	=	_____	
						_____	_____	_____	_____		
2. EXCESS CLAIM FEES											
Fee Description											
Each claim over 20 (including Reissues)						50	25				
Each independent claim over 3 (including Reissues)						200	100				
Multiple dependent claims						360	180				
						Small Entity	Fee (\$)	Fee (\$)			
						_____	_____	_____			
						Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
						6	- 20 =	x	=	_____	
						_____	_____	_____	_____		
						Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
						1	- 3 =	x	=	_____	
						_____	_____	_____	_____		
3. APPLICATION SIZE FEE											
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).											
						Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)	
						27	- 100 =	/50	(round up to a whole number) x	=	_____
						_____	_____	_____	_____	_____	
4. OTHER FEE(S)										Fees Paid (\$)	
Non-English Specification, \$130 fee (no small entity discount)										300.00	
Other (e.g., late filing surcharge): 1631 Basic National Stage fee										200.00	
1633 National Stage Examination Fee - all other ...										500.00	
1632 National Stage Search Fee - all other situations											

SUBMITTED BY					
Signature	<i>Morris Liss</i>			Registration No. (Attorney/Agent)	24,510
Name (Print/Type)	Morris Liss			Date	Telephone (202) 331-7111
January 25, 2006					